

CLAIMS

5                   1. A method of processing at least one digital graphical document represented in a predetermined markup language in which at least one software display program of browser type is used for displaying such a document, the method comprising the following steps:

10                   i) transforming the original document displayed in read mode into an editable version in the markup language according to a set of predefined transformation rules, the transformation rules incorporating a set of rules for writing to the document;

15                   ii) interacting via the software display program with the editable version in order to modify the editable version according to the set of writing rules; and

                  iii) transforming the editable version thus modified into a version in read mode incorporating the modifications made during step ii).

20                   2. A method according to Claim 1, wherein the set of predefined transformation rules are not linked to the document.

25                   3. A method according to Claim 1 or Claim 2, wherein the software display program of browser type is capable of using the set of transformation rules for transforming the original document into an editable version.

                  4. A method according to any one of the preceding claims, wherein the reverse transformation according to step iii) is able, from an edited document, to retrieve the unedited document.

30                   5. A method according to any one of the preceding claims, wherein the direct transformation according to step i) is able to add guidance information capable of guiding the reverse transformation according to step iii).

6. A method according to Claim 5, wherein the guidance information belongs to the group formed by elements to be removed; elements situated in the modified document in a specific namespace; scripts updating the values of the guidance information; instruction information relating to the creation/modification of attributes.

7. A method according to any one of the preceding claims, wherein the direct transformation according to step i) is able to identify each selectable graphical element.

8. A method according to any one of the preceding claims, wherein the direct transformation according to step i) is able to incorporate/move nodes written in the SVG type markup language into a non-SVG namespace in order to deactivate the effects of the said nodes, and the reverse transformation according to step iii) is able to retrieve the SVG nodes moved into a non-SVG namespace.

9. A method according to any one of the preceding claims, wherein the direct transformation according to step i) comprises a parameter capable of deciding to retain/remove an animation element.

10. A method according to any one of the preceding claims, wherein the direct transformation according to step i) incorporates mutation events able to synchronously modify the document with respect to the initial document.

11. A method according to any one of the preceding claims, wherein the direct transformation according to step i) incorporates a mechanism able to modify all or part of the edited document via programs available remotely from the document.

12. A method according to any one of the preceding claims, wherein the reverse transformation according to step iii) is able to modify an initialization

script in order to save modifications made on graphical elements created by the initialization script.

5           13. An apparatus for processing at least one digital graphical document represented in a predetermined markup language in which at least one software display program of browser type is used for displaying such a document, comprising:

10                 - transformation means for transforming the original document displayed in read mode into an editable version in the markup language according to a set of predefined transformation rules, the transformation rules incorporating a set of rules for writing to the document;

                  - processing means for interacting via the software display program with the editable version in order to modify the editable version according to the set of writing rules; and

15                 - reverse transformation means for transforming the editable version thus modified into a version in read mode incorporating the modifications thus made by said processing means.

20           14. An apparatus according to Claim 13, wherein the set of predefined transformation rules are not linked to the document.

25           15. An apparatus according to Claim 13 or 14, wherein said reverse transformation means are able to retrieve, from an edited document, the unedited document.

                  16. An apparatus according to any one of the preceding Claims 13 to 15, wherein said transformation means are able to add guidance information capable of guiding the reverse transformation means.

30           17. An apparatus according to Claim 16, wherein the guidance information belongs to the group formed by elements to be removed; elements situated in the modified document in a specific namespace; scripts updating the

values of the guidance information; instruction information relating to the creation/modification of attributes.

5           18. An apparatus according to any one of Claims 13 to 17, wherein the said direct transformation means are able to identify each selectable graphical element.

10           19. An apparatus according to any one of Claims 13 to 18, wherein said transformation means are able to incorporate/move nodes written in the SVG type markup language into a non-SVG namespace in order to deactivate the effects of the said nodes, and the said reverse transformation means are able to retrieve the SVG nodes moved into a non-SVG namespace.

15           20. An apparatus according to any one of Claims 13 to 19, wherein said transformation means are adapted to use a parameter capable of deciding to retain/remove an animation element.

20           21. An apparatus according to any one of Claims 13 to 20, wherein said transformation means are adapted to process mutation events able to synchronously modify the document with respect to the initial document.

25           22. An apparatus according to any one of Claims 13 to 21, wherein said transformation means comprise a mechanism able to modify all or part of the edited document via programs available remotely from the document.

30           23. An apparatus according to any one of Claims 13 to 22, wherein said transformation means are able to modify an initialization script in order to save modifications made on graphical elements created by the initialization script.

24. Data medium readable by a computer system, possibly totally or partially removable, in particular a CD-ROM or a magnetic medium, such as a hard disk or a floppy disk, or a transmittable medium, such as an electrical or

optical signal, the data medium comprising instructions of a computer program allowing implementation of the method according to any one of Claims 1 to 12, when this program is loaded and executed by a computer system.

- 5                    25. A computer program stored on a data medium, the program comprising instructions allowing implementation of a processing method according to any one of Claims 1 to 12, when the program is loaded and executed by a computer system.